Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Saturday 24 Jun 2023 until 23:59 on Sunday 25 Jun 2023

Forecast Issued on Friday 23 Jun 2023 at 16:12

Confidence: High confidence in the general outlook with a mixed, but very warm and humid spell of weather this weekend, before a change to cooler and fresher conditions early next week with occasional rain or showers. Moderate confidence for the risk of thunderstorms moving east on Sunday.

Headline for Saturday 24 Jun 2023: A cloudy start with some local rain or drizzle. Drier, brighter and much warmer later. Feeling muggy.

Mountain weather hazards on Saturday 24 Jun 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
	FOG	FOG					
Dull	Fog	Fog	Dull	Cloudy	Sunny intervals	Sunny intervals	Sunny
Precipitation probability							
20%	20%	20%	20%	10%	10%	<05%	<05%

Forecast for Saturday 24 Jun 2023

Weather: Cloudy and rather breezy during the morning, perhaps with a few outbreaks of rain or drizzle on southern and western upslopes. Turning drier and brighter through the afternoon with winds easing a little and some sunnier spells developing, these likely becoming widespread by late afternoon or early evening. Feeling increasingly warm and humid.

Chance of cloud-free hill tops above 600m: 30% on southern and western upslopes, with 60% in the north and east at first. Improving to 95% by early afternoon.

Low cloud and visibility: Fairly extensive low cloud during the early morning, with bases down to 300-400m mainly in the south and west, but generally 500-600m in the north and east with more breaks. Conditions improving with cloud bases lifting above the summits by early afternoon and breaking with time. Visibility will be generally good, but moderate or poor in rain and drizzle and low cloud during the morning, improving to becoming mostly very good in the afternoon.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Saturday 24 Jun 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	23/31 SW	22/30 SW	20/27 SW	18/25 SW	17/23 SW	14/20 SW	10/14 SW	12/16 S	15/23 S
300	15/24 SW	15/24 SW	14/22 SW	14/20 SW	13/20 SW	11/17 SW	7/11 SW	8/14 SE	10/19 SE
Valley	10/23 SW	10/22 SW	10/20 SW	10/20 SW	10/20 SW	9/17 SW	6/12 SW	6/15 SE	7/18 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/10	14/10	14/10	15/12	18/15	19/16	19/18	18/16	17/14
300	16/14	16/14	16/14	18/16	20/18	22/20	22/22	20/19	19/17
Valley	17/16	16/15	17/16	19/18	21/20	23/22	23/23	20/20	19/18
Freezing Level*	3400m	3300m	3200m	3300m	3300m	3400m	3400m	3400m	3300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Fairly challenging navigation conditions are expected in the early to mid-morning period in the south and west given rather persistent low cloud. Rain or drizzle may also cause slippery underfoot conditions. Late sunshine that develops will still be strong, so adequate sun protection if out in the afternoon is recommended.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Fri 23 Jun 2023	0mm	1.2mm	1.8mm

Forecast for Sunday 25 Jun 2023

Weather: Dry and largely sunny through the morning and becoming very warm or hot and humid. Cloud building by early afternoon, perhaps to give the odd locally heavy thunderstorm. A band of heavy, perhaps torrential rain with a risk of embedded thunder moves east across the park in the late afternoon. Drier and brighter by the early evening, though still a risk of isolated showers or thunderstorms. Turning much fresher later.

Maximum wind: Southerly 15-20mph, with gusts 25-30mph. A chance for gusts around 40-50mph in any thundery rain during the afternoon. Winds veering west or southwesterly later.

Chance of cloud-free hill tops above 600m: 95% at first, lowering to 40% in afternoon rain or showers. 80% by early evening.

Low cloud and visibility: Cloud above summits at first and good or very good visibilities with a slight haze. Extensive cloud to around 400-600m on passage of rain band in the afternoon, especially in the west, deteriorating to poor or locally very poor visibility. Bases lifting later in the afternoon or early evening with occasional scattered or broken base above 600m, with patches below in any showers or thunderstorms and generally very good visibility.

Temperature: **Valleys:** Plus 17 Celsius rising to Plus 27 Celsius during the day.
At 600m: Plus 15 Celsius increasing to Plus 20 Celsius by day, lowering to 15 Celsius by evening.
Freezing level: Above summits.

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